

News and Notes

MEDICO-LEGAL

Cheap Purchase of Patented Drugs

[FROM OUR LEGAL CORRESPONDENT]

By a majority of three to two the House of Lords has upheld the decision of the Court of Appeal¹ that the Ministry of Health is entitled to import patented drugs from unlicensed sources for hospitals within the Health Service without making any payment to the patentee (Pfizer Corporation v. Ministry of Health, *The Times*, 2 February).

Services of the Crown

Section 46 of the Patents Act, 1949, empowers any Government department and any person authorized in writing by a Government department to "make use and exercise any patented invention for the services of the Crown" on terms laid down by the section, in some circumstances free of any payment at all to the holder of the patent. This is what remains of the old common law rule that letters patent (granted by the Crown) were not enforceable against the Crown.

The growth of the manifestations of the

Crown was bound to give rise to questions about the extent of the immunity. Nationalized industries are not "services of the Crown." On the other hand, it is now plain that at all events the hospital services of the National Health Service are "services of the Crown." In the view of the majority of the House of Lords, drugs used in hospitals are used for the services of the Crown even though they are at the same time used for the benefit of the patients. It was a false dichotomy to treat some patented articles as made or used for the benefit of the department which used them and other articles as made or used for the benefit of persons outside the service who might derive a benefit from their use by the service.

Hospitals Only

The Ministry fought the case on the footing that the drugs would be used only in hospitals and in hospital dispensaries for out-patients. The Ministry disclaimed any in-

tention of using the cheap drugs outside the hospital service, though, as one of the dissenting judges in the House of Lords pointed out, it is difficult to see any logical distinction between drugs obtained from a hospital dispensary and those obtained from a chemist's shop.

This appeal directly concerned the purchase of the drug tetracycline, which since 1961 has been bought by Fraser Chemicals Limited from Italy for the Ministry and sold to hospitals for about £4 per 1,000 by contrast with almost £45 charged by Pfizer's. The Ministry has also placed contracts for the purchase of oxytetracycline, chlortetracycline, chloramphenicol, and chlorothiazide which will be obtained from sources where patents law is not applied. The Ministry of Health estimate that the saving to the Health Service resulting from this decision will be about £1m. a year.

This means of obtaining drugs for the Ministry at prices cheaper than those charged by the patentees is additional to and separate from the course which commercial drug companies may adopt of applying to the court under section 41 of the Act for a compulsory licence on terms more favourable than would be granted by the patentee.

REFERENCES

- ¹ [1964] Ch. 614.
² *Brit. med. J.*, 1963, 2, 1211.

Patented Drugs

[FROM OUR LEGAL CORRESPONDENT]

The Association of the British Pharmaceutical Industry, through its President, Mr. S. Howard (Chairman of the Pharmaceuticals Division of Imperial Chemical Industries), is campaigning for a change in patents law. The association wants section 41 of the Patents Act, 1949, repealed or modified. This section, introduced in 1949, applies to patents in respect of food or medicine, or articles or processes used in the production of food or medicine, or surgical or curative devices. It provides that the Comptroller-General of Patents must grant a licence to manufacture the goods, on such terms as he thinks fit, to any other manufacturer who applies unless it appears to the Comptroller that there are good reasons for refusing.

Check on Research

The provisions in the Act for compulsory licences are not limited to food and medicine. Section 37 makes provision for compulsory licences of patents of all kinds. But an application under section 37 cannot be made until three years from the sealing of the patent, and will be granted only if the applicant successfully makes out one of several specified grounds. These mainly entail proof that the patent is not being fully exploited in the United Kingdom. The Association of the British Pharmaceutical Industry would

like the conditions of section 37 applied to drugs.

According to Mr. Howard, there had been 20 successful applications under section 41 since 1959, and six more had been made in the past six months. In the 40 years before 1959 only 13 applications had been made. None had ever been refused. Mr. Howard stated that the inadequacy of patent protection had led to a check in the growth of research. Expenditure by the industry of £8,900,000 in 1962-3 on sales promotion and information to doctors had for the first time exceeded the amount spent on research.

Reasonable Advantage

Licencees have to pay for the licences granted to them. Section 41 provides that in settling the terms of the licences granted the Comptroller of Patents shall endeavour to secure that food, medicines, and surgical and curative devices shall be available to the public at the lowest prices consistent with the patentees deriving a reasonable advantage from their patent rights. Whether the Comptroller has been holding a proper balance between the interests of the public and those of the patentees cannot be judged without the disclosure by the pharmaceutical industry of detailed comparisons of profits from compulsory licences and profits from exploitation of the drugs in other ways.

"Doctors' Orders": Misleading Advertisement

[FROM OUR LEGAL CORRESPONDENT]

An advertisement which appeared in the B.M.A.'s booklet *Doctors' Orders* cost a national food company £100 in fines and £34 costs at Kettering Magistrates' Court on 3 February.

Libby McNeill and Libby Ltd., 396 Kenton Road, Kenton, Harrow, Middlesex, pleaded guilty through counsel to seven offences under the Food and Drugs Act. The company admitted it was a party to the publication of an advertisement in *Doctors' Orders* of a food—namely, grapefruit juice—which was calculated to mislead as to the quality of the said food in describing it as being a valuable source of vitamin A. For that offence and two similar offences in respect of orange juice and pineapple juice Libby's was fined £20 on each count.

The company also admitted that, having advertised the fruit juices and tomato juice as containing vitamins A and C, it failed to state in the advertisement in *Doctors' Orders* how much of these vitamins was present in the food. For four offences of this nature—concerning grapefruit, orange, pineapple, and tomato juices—it was fined £10 each.

Mr. R. E. Smith, prosecuting for the county weights and measures department, said Libby's inserted an advertisement in the B.M.A. publication *Doctors' Orders*, of

which about 14½ million copies were circulated free throughout the country. In *Doctors' Orders* there was an article on vitamins saying that vitamins were vital, and a reference was made to vitamin A being important for children. On the page opposite the article there was an advertisement by Libby's saying "Drink Libby's fruit juices for good health all round." The advertisement also stated that Libby's fruit juices "are valuable sources of vitamins A and C." Mr. Smith said the words complained of were in the description of the juices as being

"valuable sources of vitamin A."

An analysis of the juices made by the public analyst showed that the orange, grapefruit, and pineapple juices manufactured by the company contained no vitamin A at all. Mr. Smith admitted that there was a small quantity of a certain substance in each of the juices which converted to vitamin A on digestion, adding: "But it was a minimal amount in each case."

Mr. C. Bathurst, representing Libby's, described the misleading statements in the company's advertisement as "a very un-

fortunate error." This was a highly reputable company, he said. Strict instructions had now been issued that claims regarding vitamins, proteins, or minerals were not to be made. "In this case a statement which obviously cannot be justified has been made." Mr. Bathurst explained that the error was made by a copy writer in Libby's advertisement agency. All the juices were described as containing vitamins A and C. The tomato juice contained vitamins A and C, but the others unfortunately contained only C, Mr. Bathurst added.

PARLIAMENT

A Plea for Re-thinking

[FROM OUR PARLIAMENTARY CORRESPONDENT]

The post-election creations of life peerages have made additions to the cast who make the Health Service their special interest, and four of them made their first appearance in the presentation which Lord AUCKLAND directed on 3 February. In a principal part was Lord SORENSEN, who as one of the political Lords-in-Waiting has become a spokesman on health subjects and assistant to Lord TAYLOR. There were also to be heard Lady BROOKE OF YSTRADFELTE, wife of the former Home Secretary, a member of the North-west Metropolitan Regional Hospital Board, and chairman of one of its hospital management committees; and Lord LEATHERLAND, journalist, and alderman of Essex County Council, with a long record of public service.

The part most directly appealing to the medical profession was that of Lord SEGAL, doctor, one-time M.P., and a regional officer of the Ministry of Health. Whereas most of the play was concerned with the supplementary professions, his words fell squarely on the current discontents among doctors.

Frustration and Disillusionment

At no time since the Health Service began, he said, had frustration, bitterness, and disillusionment been so widespread. No amount of increased remuneration, better conditions of service, provision of locums, postgraduate awards, merit awards and bonuses, rotas, the abolition of pools, could eradicate it, for the causes went much deeper.

A totally false relationship had developed between the doctors in the Health Service and a very small minority of their patients. In the olden days before the 1948 Act the patient would go to consult his doctor armed with a list of symptoms. That list was now replaced by a list of drugs. Woe betide him if now he refused to prescribe more than one or two of the drugs demanded. Another list was directly involved: his own capitation list, on which he depended for his livelihood. No doctor could work at his best in such a relationship.

Since the removal of prescription charges, and the legal decision permitting the purchase of drugs abroad, the Ministry's prescribing section would be faced with a new situation. Doctors had repeatedly pleaded for the abolition of the Pool, yet it still survived, more complicated, more illogical, and more inimical to the best interests of medical practice than ever; whoever else might have won, the really good doctor and the really sick patient had been the losers. A method chosen in good faith 16 years ago had been falsified in the light of experience.

Alternative Methods of Remuneration

There were many alternative methods of remuneration—payment by salary, or by sessions, or by items of service, or by a combination of these. Could there not be pilot schemes in different parts of the country where they were approved by a majority of the local doctors? Could not the individual doctor be allowed to opt for some alternative method for a period of two or three years, to test its effect on his own doctor-patient relationship? Such practical tests would be worth a ton of questionnaires.

There were on the stage the familiar characters like Lord AMULREE and Lady SUMMERSKILL, and others, and the play covered familiar ground. But with a decision on the work of the Review Body imminent, and news of revision of the Hospital Plan impending, Lord TAYLOR had really nothing that he could say by way of conclusive comment.

Complaints in the N.H.S.

The Minister of Health does not think that a statutory procedure analogous to that of the executive councils for complaints arising in the general medical services would be suitable for hospital complaints, but he is considering whether the various procedures now in use for dealing with such complaints can be improved. (Written reply, Commons, 3 February.)

Hospital Building Programme

In a statement about the hospital building programme in England and Wales the Minister of Health said in the Commons on 8 February that in order to avoid the postponement of much-needed new hospitals a further £5m. would be allocated to hospital boards for 1965-6, making a total of £68m. He was now reviewing the future hospital building programme with three objectives in view: a realistic matching of projects and resources; the examination by hospital boards of priorities, particularly where the needs of geriatric and psychiatric patients were concerned; and the giving of special attention to the co-ordinated planning of hospitals, local health and welfare, and general medical services. He would be considering with the various health authorities how this co-ordinated planning could best be furthered, and hoped that comprehensive plans in a limited number of suitable areas might be worked out. He did not intend to publish a review of the Hospital Plan this spring as was done in the last two years, as he wanted the various authorities responsible for the service to have time to consider and work out their plans.

The Government and the Review Body

The Government's decision on the recommendations made by the Review Body on Doctors' and Dentists' Remuneration was announced on 8 February in these words by the Prime Minister: "The Government have accepted the advice tendered in each report in its entirety and will open forthwith necessary discussions with the profession on the detailed implementation of the recommendations regarding general practitioners."

T.V. Cigarette Advertising Banned

Advertising cigarettes on television is to be banned "as soon as practicable," announced the Minister of Health in the Commons on 8 February. Deaths from lung cancer, he said, continued to increase: during the first nine months of last year the provisional total was 20,850—an increase of nearly five per cent. over the same period of 1963. The Government were still considering the question of other forms of cigarette advertisements. The ban does not affect cigar and pipe tobacco.

MEDICAL NEWS

Regius Chair of Obstetrics and Gynaecology

Professor IAN MACGILLIVRAY, 44, is to succeed Professor Sir DUGALD BAIRD, who is retiring in September from the Regius Chair of Obstetrics and Gynaecology at Aberdeen University. He will be returning to Aberdeen, having worked in the department from 1955 to 1961 first as a lecturer and then as a senior lecturer. In 1961 he was appointed to the Chair of Obstetrics and Gynaecology at St. Mary's Hospital Medical School, London (*B.M.J.*, 3 December, 1960, p. 1681).

Chair of Pathology at Guy's Hospital Medical School

Dr. C. W. M. ADAMS has been appointed to the Sir William Dunn Chair in Pathology at Guy's Hospital Medical School. He was previously reader there in experimental pathology. Dr. Adams, who is 36, was educated at Oundle School and was a Major Scholar in Natural Sciences at Christ's College, Cambridge. He graduated M.A., M.B., B.Ch. (Cambridge) in 1952. After holding house



appointments at the London Hospital and junior appointments in pathology at the Bernhard Baron Institute, where he was a Freedom Research Fellow, he became lecturer in pathology at Guy's Hospital Medical School. This post he held from 1958 to 1963. During

this period he was awarded the Sir Lionel Whitby medal (1959-60) and proceeded M.D. (Cambridge). In 1960-1 he was visiting scientist at the National Institutes of Health, Bethesda, U.S.A. Dr. Adams is a founder member of the College of Pathologists. He has contributed papers and reviews on lipid, protein, and enzyme histochemistry, the pathogenesis of degenerative arterial diseases, demyelinating diseases, and pituitary cytology.

New Chair of Pathological Biochemistry

Dr. HENRY GEMMELL MORGAN has been appointed to the Chair of Pathological Biochemistry at Glasgow University. The chair is a new foundation. At present he is senior lecturer in pathology and clinical biochemistry at St. Andrews University. Dr. Morgan graduated B.Sc. at St. Andrews in 1943 and M.B., Ch.B. (with commendation). He became a member of the Royal College of Physicians of Edinburgh in 1952 and was admitted to the Fellowship in 1962. The following year he became a member of the College of Pathologists. After holding resident posts in medicine, surgery, and paediatrics, and gaining some experience in general practice, Dr. Morgan joined the pathology department at St. Andrews in 1948. Three years later he became responsible for the teaching and routine service of the section of clinical chemistry at Dundee Royal Infirmary. He has been a senior lecturer since 1958. In 1956-7 he was seconded as research assistant in endocrinology at the Johns Hopkins Uni-

versity, Baltimore, where he continued his studies in vitamin D and calcium metabolism. These topics, along with acid-base disorders, remain his special interest. As professor of pathological biochemistry, Dr. Morgan will hold the post of biochemist at the Royal Hospital for Sick Children and the Queen Mother's Maternity Hospital in Glasgow.

Postgraduate Course for Young G.P.s

The College of General Practitioners is holding a course, "Early Years in General Practice," from 26 to 30 April to help young doctors to train for careers in general practice. It is specially designed for trainees, but principals and assistants are also eligible. The course has been approved by the British Postgraduate Medical Federation on behalf of the University of London and grants may be claimed for attendance. Applications should be sent to the Secretary, British Postgraduate Medical Federation, 18 Guilford Street, London W.C.1. Numbers are limited to 25.

Adverse Reactions to Drugs

The experience gained in recent years by the Registry of Blood Dyscrasias of the American Medical Association is now to be used in developing an overall programme for the recording of adverse reactions. Panels of experts have been set up in the following medical disciplines: dermatology, gastroenterology, allergy, neurology and psychiatry, haematology, nephrology, and paediatrics. The panels are charged with the function of establishing the criteria of acceptance for various types of reaction, for defining terminology, and for developing techniques of evaluation of reports received. It is expected that summaries will be issued on lines similar to those published in the past by the Registry of Blood Dyscrasias.

Record Drug Exports

Last year Britain's drug exports reached a record figure of £60m. The biggest money-earners were antibiotics with £10.7m. Sales of hormones and vitamins were £4.5m. and £3m. respectively. Business with the Common Market showed an upward swing representing 13.2% of the total value of exports by the industry, compared to 10.9% in 1963. Britain's best customers, at £3.7m. each, were Australia and Nigeria. Exports to the United States, the world's largest manufacturer and exporter of medicines, amounted to £1.8m. In world pharmaceutical exports Britain holds second place, being closely followed by Germany and Switzerland.

Holiday Centres for Tired Mothers

In recent months the Women's Voluntary Service for Civil Defence has opened houses in Felixstowe, Suffolk, and Ilkley, Yorkshire, as holiday centres for mothers in urgent need of a rest. The scheme is designed to prevent breakdown, and so keep the family together. Expectant mothers are welcomed, and at certain times of the year mothers may bring babies under 12 months. For 11 days' rest the cost is 8 guineas, which may be met by local authorities if they consider the case appropriate. Applications should be made to W.V.S. county and county borough offices.

Golden Jubilee of Central Council for District Nursing

To mark the 50th anniversary of the founding of the Central Council for District Nursing in London a reception was held at St. James's Palace on the afternoon of 4 February followed by a service of thanksgiving at St. James's Church, Piccadilly. A representative company included Princess MARINA, DUCHESS OF KENT, who was deputizing for the DUCHESS OF GLOUCESTER, and the Minister of Health, Mr. KENNETH ROBINSON. The guests were received by Lady NATHAN, president of the council, and by the chairman, Sir ZACHARY COPE. In a short speech Lady Nathan referred to the friendly relations that existed with official bodies, notably with the London County Council, of which she had been a member for many years and eventually chairman. The cost of providing the service, she said, was now about £700,000 a year.

British Heart Foundation

Research workers seeking support for programmes of original investigations in any part of the cardiovascular field are invited to write for an application form to the Secretary, British Heart Foundation, Tavistock House North, Tavistock Square, London W.C.1. The closing date is 30 April.

Exhibition of Medical Photography

An exhibition of medical photography by the medical group of the Royal Photographic Society of Great Britain will be held from 5 to 31 March in the Claire Wand Gallery, B.M.A. House, Tavistock Square, London W.C.1.

Royal Medical Benevolent Fund

The address of the Royal Medical Benevolent Fund is now: 24 King's Road, Wimbledon, London S.W.19. Telephone Cherrywood 4656.

"Family Doctor"

The February issue of *Family Doctor* is now on sale, price 1s. 6d. Articles include "Keeping Your Baby Content" by Dr. DAVID MORRIS, "What's Wrong with Our Hospitals?" by Dr. ERIC J. TRIMMER, and "Hypnotism" by Dr. LAWRENCE GOLDIE.

People in the News

► The DUKE OF EDINBURGH is to be president of the Royal Microscopical Society for 1966.

► Professor A. G. R. LOWDON has been appointed a Pro-Vice-Chancellor of the University of Newcastle upon Tyne, to hold office so long as he remains Dean of Medicine.

► Dr. J. S. WEINER has had the title of professor of environmental physiology conferred on him in respect of his post at the London School of Hygiene and Tropical Medicine.

► Dr. ROGER BANNISTER has been appointed a member of the sports council set up to advise the Government on the development of amateur sport and physical recreation services.

► Dr. L. M. HELLMAN, professor and chairman of the Department of Obstetrics and Gynaecology at State University, New York, is to be Visiting Professor in the Department of Obstetrics and Gynaecology in the University of Newcastle upon Tyne from 7 June to 3 July.

News in Brief

An all-party deputation from the London County Council discussed last week with the Minister of Health, Mr. KENNETH ROBINSON, the growing problem of illegitimacy in London and urged that advice on family planning should be made available without restriction under the National Health Service.

To reduce the number of accidents in industry, the Royal Society for the Prevention of Accidents is to launch in March a nation-wide publicity campaign with the slogan "Go Safe—Stop Accidents."

The new Lai Chi Kok Hospital in Hong Kong, at present at the planning stage, is to have 1,250 beds. It will be one of the largest hospitals in the Commonwealth.

Recent Publications

Your Teenagers, published by the National Marriage Guidance Council, gives advice to parents on the physical and emotional problems of adolescents. It is addressed particularly to parents of school-leavers who are about to start work. Copies may be obtained from the Bookshop, 58 Queen Anne Street, London W.1, 1s., by post 1s. 6d.

Coming Events

Royal Institute of Public Health and Hygiene.—Bengué Memorial Award Lecture, "The Safety of Drugs," by Lord Cohen of Birkenhead, 17 February, 5.30 p.m., Barnes Hall, Royal Society of Medicine, 1 Wimpole Street, London W.1. Admission free without ticket.

Society of Medical Officers of Health.—Fourth annual symposium, 19–20 February, Hotel Russell, Russell Square, London W.C.1. Details from the Secretary, Tavistock House South, Tavistock Square, London W.C.1.

Conference on Heroin and Cocaine Addiction, 28 February, 11 a.m., Tooting Bec Hospital. Lunch will be provided. Details from Dr. P. A. L. CHAPPLE, West Park Hospital, Epsom, Surrey.

British Postgraduate Medical Federation.—Week-end refresher course for general practitioners on general medicine, 6–7 March, Joyce Green Hospital, Dartford, Kent. Applications to Postgraduate Medical Tutors at the hospital.

Biological Council.—Symposium "Embryopathic Activity of Drugs," 29–30 March, University College, London. Details from Dr. ROBERT SMITH, Department of Biochemistry, St. Mary's Hospital Medical School, London W.2.

New Issues of Specialist Journals

Obtainable from the Publishing Manager, B.M.A. House, Tavistock Square, London W.C.1.

MEDICAL AND BIOLOGICAL ILLUSTRATION

Contents of the January issue are as follows:

- Capillary Blood Flow in Bulbar Conjunctiva. L.-E. Gelin.
Cleft Palate and Related Anatomy. R. F. Sloan, R. M. Ricketts, E. Hahn, R. W. Bench, and F. L. Ashley.
A Variable Power Flash Unit. D. H. Norman.
Collapsible Three-dimensional Diagram and Model. A. Sollberger.
Micro-projection in Reconstruction Methods and Stippling in the Illustration of Insect Anatomy. M. E. C. Glioli.
Plastic Embedding for Mounting Small Specimens. W. A. Norman.
A Simple Electronic Intervalometer. J. A. Sirs and C. Stolinski.
Eight mm. Filming by and for the Teaching Department—Part II. R. K. McRae.
The Central Television Facility, Duke University Medical Center. S. A. Agnello, J. E. Markee, and F. D. McFalls.
Audi Partem Alteram. Equipment and Methods. Journal Abstracts. Book Reviews. Motion Pictures and Other Media. Reports and Proceedings.

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Societies and Lectures

For attending lectures marked ● a fee is charged or a ticket is required. Applications should be made first to the institution concerned.

Monday, 15 February

GRAMPIAN TELEVISION.—11 p.m., Congenital Deformities of the Hands. (Sponsored by Glasgow Postgraduate Medical Board.)
POSTGRADUATE MEDICAL SCHOOL OF LONDON.—4 p.m., Dr. B. Ackner: Anorexia Nervosa.
ROYAL COLLEGE OF SURGEONS OF ENGLAND.—4 p.m., Hunterian Oration by Mr. A. Dickson Wright: John Hunter's Private Practice.
ROYAL FREE HOSPITAL.—5 p.m., Dr. Naomi Datta: Transfer of Drug Resistance in Bacteria.

Tuesday, 16 February

BRITISH POSTGRADUATE MEDICAL FEDERATION.—At London School of Hygiene and Tropical Medicine, 5.30 p.m., Dr. K. B. Roberts: Peripheral Blood Lymphocytes.
COLLEGE OF GENERAL PRACTITIONERS: EAST LONDON FACULTY.—8.45 p.m., Professor Sheila Sherlock: Advances in the Treatment of Liver Disease.
COLLEGE OF GENERAL PRACTITIONERS: SOUTH LONDON FACULTY.—At Children's Hospital, London S.E., 8.15 p.m., Mr. C. F. Critchley: Human and Animal Surgery.
DERBY MEDICAL SOCIETY.—At Wilderslowe, Derbyshire Royal Infirmary, 8.30 p.m., Mr. D. P. Burkitt (Uganda): Clinical and Epidemiological Features of Children's Cancer Common in Tropical Africa.
INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY.—5.30 p.m., Dr. R. Hinchcliffe: Tests of Acoustic Function—I.
LIVERPOOL UNIVERSITY FACULTY OF MEDICINE.—At Large Lecture Theatre, New Medical School, 5.15 p.m., Professor G. H. Schmitt (Oregon): Renal Effects of Certain Vasopressor Hormones.
MANCHESTER MEDICAL SOCIETY.—At Large Anatomy Theatre, Manchester University Medical School, 4.30 p.m., University Lecture on the History of Medicine by Dr. J. Cule: Dr. William Price (1800–1893) of Llantisant—an Eccentric Pioneer of Cremation.
NORTH-WEST METROPOLITAN REGION MENTAL DEFICIENCY SOCIETY.—At Bromham Hospital, 7.30 p.m., Dr. J. M. Berg: Clinical Types of Mental Subnormality—a Pictorial Survey.
ROYAL COLLEGE OF SURGEONS OF ENGLAND.—5 p.m., Ophthalmology Lecture by Professor A. Sorsby: Blindness and its Prevention During the First 15 Years of the National Health Service.
ST. MARY'S HOSPITAL MEDICAL SCHOOL.—At Wright-Fleming Institute Theatre, 5 p.m., Professor I. MacGillivray: Some Fears of Middle-aged Women.
WESTMINSTER MEDICAL SCHOOL.—At Meyerstein Lecture Theatre, 5.15 p.m., Dr. L. W. Loughridge: clinicopathological conference.

Wednesday, 17 February

CAMBRIDGE MEDICAL SOCIETY.—At Graduate Society, 8.30 p.m., Dr. G. C. L. Bertram: Aquatic Mammals—their Conservation and Importance to Man.
HARVEIAN SOCIETY OF LONDON.—At St. George's Hospital, 6.30 p.m., clinical meeting, cases for discussion.
INSTITUTE OF DERMATOLOGY.—4.30 p.m., Dr. Y. M. Clayton: Epidemiology of Ringworm Infections.
INSTITUTE OF DISEASES OF THE CHEST.—5 p.m., Mr. E. Aberdeen: Cardiac Surgery of Infants.
INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY.—5.30 p.m., Dr. R. Hinchcliffe: Tests of Acoustic Function—II.
INSTITUTE OF NEUROLOGY.—6 p.m., Dr. J. A. V. Bates: Varieties and Significance of Responses to Thalamic and Capsular Stimulation in Man; 7 p.m., Mr. L. S. Walsh: Limitations of Stereotactic Surgery for Pain and Hyperkinetic Syndromes.
INSTITUTE OF UROLOGY.—4.30 for 5 p.m., Mr. R. T. Turner-Warwick: Repair of Ureter and Bladder.
POSTGRADUATE MEDICAL SCHOOL OF LONDON.—(1) 10.15 a.m., medical staff round followed by clinicopathological conference. (2) 2 p.m., Dr. A. A. Sharp: Defibrination Syndrome.

ROYAL COLLEGE OF MIDWIVES.—8 p.m., Dr. Niles Newton: Psychological Aspects of Breast-feeding.
ROYAL COLLEGE OF SURGEONS OF ENGLAND.—5 p.m., Ophthalmology Lecture by Professor A. Sorsby: Retinitis Pigmentosa—Experimental and Biochemical Aspects.
ROYAL INSTITUTE OF PUBLIC HEALTH AND HYGIENE.—At Barnes Hall, Royal Society of Medicine, 5.30 p.m., Bengué Memorial Award Lecture by Lord Cohen: The Safety of Drugs.
ST. JOHN'S HOSPITAL, STONE, AYLESBURY.—8.30 p.m., meeting of General Practitioners' Group, Dr. C. M. B. Pare: Use of Drugs in Psychiatry.
STOKE MANDEVILLE HOSPITAL.—12.15 p.m., Dr. L. Guttman: Home Care of Paraplegic and Tetraplegic Patients.

Thursday, 18 February

ABERDEEN UNIVERSITY FACULTY OF MEDICINE.—At Large Lecture Theatre, University Medical Buildings, Foresterhill, 4.30 p.m., Dr. W. A. J. Crane: Cell Structure and Function in Experimental Hypertension.
B.B.C.—2 TELEVISION.—10.50 p.m., Airways Obstruction and Chronic Bronchitis presented by Dr. C. M. Fletcher. Other items include a feature on the Diagnosis of Hypothyroidism by Dr. T. M. D. Gimlette.
BRITISH MEDICAL ASSOCIATION.—At Edward Lewis Lecture Theatre, Middlesex Hospital Medical School, 5.30 p.m., lecture-discussion to be opened by Sir Ian Fraser: Some Problems of the Surgery of Childhood.
BRITISH POSTGRADUATE MEDICAL FEDERATION.—At London School of Hygiene and Tropical Medicine, 5.30 p.m., Professor O. L. Zangwill: Experimental Psychology in Relation to Injury or Disease of the Brain.
CARDIFF MEDICAL AND DENTAL STUDENTS CLUB.—At Glossop Maternity Hospital, 5.15 p.m., B.M.A. Lecture by Dr. Macdonald Critchley: Medicine's Debt to Phrenology.
INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY.—5.30 p.m., Dr. R. Hinchcliffe: Tests of Vestibular Function—I.
INSTITUTE OF NEUROLOGY.—5.30 p.m., Dr. J. Graves: Tape in Medical Teaching.
KING'S COLLEGE HOSPITAL MEDICAL SCHOOL.—At Medical School Lecture Theatre, 4.30 p.m., Wilshire Memorial Lecture by Sir Robert Platt: Heredity and Environment in Hypertension—the Summing Up.
LEWISHAM GENERAL HOSPITAL.—At Medical Centre, 5.15 p.m., Dr. D. N. Whitmore: Genetic Code.
LONDON JEWISH HOSPITAL MEDICAL SOCIETY.—At Medical Society of London, 8.15 p.m., medical films devoted to cancer. Discussion led by Professor H. Ellis will follow.
POSTGRADUATE MEDICAL SCHOOL OF LONDON.—4 p.m., Professor J. F. Fowler: Radiation Dosimetry—Solid State Dosimetry.
QUEEN MARY'S HOSPITAL, ROEHAMPTON (PLASTIC, BURNS, AND ORAL SURGERY CENTRE).—At Medical Library, 8 p.m., Medical Society meeting, Dr. I. W. Whimster: Some Aspects of Pigmentation.
ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE.—7.30 p.m., Dr. M. A. Vaucel and Dr. P. Richet: Le Service de Santé des Troupes de Marine et de la Médecine Tropicales Française. Discussion will follow.
ST. ANDREWS UNIVERSITY.—At Physiology Department Lecture Theatre, Queen's College, 5 p.m., Dr. D. G. Melrose: Some Thoughts on Mitral Insufficiency.
ST. GEORGE'S HOSPITAL MEDICAL SCHOOL.—At Large Lecture Theatre, 5.15 p.m., demonstration in neurology.
UNIVERSITY COLLEGE LONDON.—At Physiology Theatre, 5 p.m., lecture on Metabolic Control Mechanisms—I by Dr. B. Hess (Heidelberg): Glycolysis in Ascites Cells and its Computer Representation.

Friday, 19 February

INSTITUTE OF DISEASES OF THE CHEST.—5 p.m., Dr. E. H. Hudson: clinical demonstration.
INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY.—5.30 p.m., Dr. R. Hinchcliffe: Tests of Vestibular Function—II.
LIVERPOOL UNIVERSITY FACULTY OF MEDICINE.—At Large Lecture Theatre, New Medical School, 5.15 p.m., Dr. P. Harris: Structure and Function in the Pulmonary Circulation.
POSTGRADUATE MEDICAL SCHOOL OF LONDON.—(1) 10 a.m., Mr. G. R. Fisk: Carpal Instability in Fractures and Dislocations of the Carpal Scaphoid. (2) 11.30 a.m., surgery pathological conference. (3) 4 p.m., Dr. J. Vallance-Owen: Modern Views of Diabetes.
SCOTTISH RADIOLOGICAL SOCIETY.—At Hall of Royal College of Physicians of Edinburgh, 7.30 p.m., McGibbon Memorial Lecture by Mr. A. Logan: Surgery of the Mitral Valve.

Deaths

Eames.—On 29 January 1965, Charles William Eames, D.S.O., M.D., Lieutenant-Colonel, R.A.M.C., of 3 Luciefelde Road, Shrewsbury, aged 92.
Jones.—On 2 February 1965 at Camelback Towers, Apartment 7a, Phoenix, Arizona, U.S.A., Gwilym Rhys Jones, L.R.C.P.&S., D.P.H., formerly of Cardiff.
Naismith.—On 26 January 1965 at his home, 26 York Road, Southport, Lancashire, John James Dykes Naismith, M.B., B.S.

Universities and Colleges

CAMBRIDGE

M.D.—R. A. Owen, D. L. Miller, N. S. C. Rice, P. Sleight, J. E. Lennard-Jones, J. R. Batchelor, E. H. O. Parry.
M.CHIR.—*P. E. Huddy, *J. C. M. Currie.
M.B.—M. G. Ellwood, D. V. Ingram, *F. R. Jackaman, *P. C. G. Smith, J. S. Mills, D. W. Roberts, Frances A. Secker, R. T. Shipman.
*By proxy.

ST. ANDREWS

M.D.—C. S. Leithead (with high commendation).
M.B., CH.B.—D. H. Amin, B. Booth, A. Devine, F. Lokko, J. A. McKenzie, S. K. Mohindra, Joan M. Priestley, Elizabeth B. Stuart.

GLASGOW

M.B., CH.B.—F. A. Bashua (*in absentia* by diploma).
M.D.—Kathleen M. Adams, J. D. Barrie, *J. A. Chapman, *J. A. Clarke, R. R. Houston, *J. McGeachie.
M.B., CH.B.—Maria R. Barron, Elizabeth G. Collinson, A. G. Davis, Patricia J. Dawson, T. G. B. Dow, J. E. Eakin, Joan M. Felce (née Marshall), W. Irvine, C. H. Land, O. A. Odunaiya, O. V. A. Ogunro, K. C. Okoye, I. C. Taliotis, G. J. S. Weir, D. Wilson, Maureen E. Wilson (née Grant).
¹With honours. ²With commendation.

ABERDEEN

Appointments.—Dr. A. I. G. Davidson (temporary lectureship in surgery, from 1 January 1965); Dr. R. E. Robertson (terminable lecturer in pathology from 1 January 1965).

EDINBURGH

M.D.—¹J. A. D. Anderson, J. K. Davidson, W. H. Galloway, ²L. S. Grant, *J. E. Tinne.
PH.D.—*In the Faculty of Medicine*: *B. R. Chaudhuri, H. K. M. A. Hye, B. S. Ranjeet.
M.B., CH.B.—Y. O. Aina, J. McK. Ashby, M. Ede, Dorothy A. R. Leslie, A. A. Morgan, K. Sein.
DIPLOMA IN MEDICAL RADIODIAGNOSIS.—T. A. S. Buist, T. G. Girdwood, W. Hatley, L. H. Ngatia, Wie-Tiong Tan, K. Wood.
DIPLOMA IN PSYCHIATRY.—C. C. Adomakoh, P. C. Olley, E. B. Ritson, F. Z. Youisif.
Prizes awarded.—*Graduate Research Fellowships*, Dr. B. K. Patnaik and Dr. M. N. Shah; *Graduate Research Scholarship*, Dr. B. N. Lahiri; *Graduate Travelling Scholarship*, Dr. J. D. Robertson.
¹Commended for thesis. ²*In absentia*.

LONDON

M.D.—H. S. Bedson, N. L. Jones.
PH.D.—*In the Faculty of Medicine*: F. M. Elliott, Z. A. Jan, R. T. Britain, L. O. V. Ekpechi.
M.S.—M. H. Gough.
Dr. D. M. Matthews, senior lecturer in chemical pathology at the Institute of Neurology, has been appointed to the readership in chemical pathology tenable at Westminster Medical School.
Titles conferred.—Reader in bacteriology on Dr. Nuala F. T. Crowley, in respect of the post held by her at the Royal Free Hospital School of Medicine, from 1 October 1964; reader in neuropathology on Dr. H. Ulrich in respect of the post held by him at the London Hospital Medical College, from 1 November 1964; reader in experimental neuroanatomy on Dr. P. L. Williams, in respect of the post held by him at Guy's Hospital Medical School, from 1 October 1964.
The following have been appointed teachers of the University in the subjects indicated in parentheses: *Postgraduate Medical School of London*, Dr. E. J. M. Campbell (medicine), *Institute of Child Health*, Dr. N. E. France (pathology), Dr. F. B. Kiernander (physical medicine), Dr. Winifred F. Young (paediatrics), *St. George's Hospital Medical School*, Dr. P. R. French (medicine), Dr. K. V. Sanderson (dermatology), Dr. N. Woolf (pathology), *St. Bartholomew's Hospital Medical College*, Dr. E. W. Horton (physiology), *Institute of Diseases of the Chest*, Dr. R. S. Johnson (medicine), *Charing Cross Hospital Medical School*, Dr. D. O'Connell (radiotherapy), *London School of Hygiene and*

Tropical Medicine, Dr. C. H. Wood (public health), *Institute of Neurology*, Dr. D. M. Matthews (chemical pathology), Dr. P. K. Thomas (neurology).

Dr. Jack Pepsys, M.R.C.P., senior lecturer at the Institute of Diseases of the Chest, has been appointed to the readership in clinical immunology tenable at that Institute.

Dr. F. J. Prime, senior lecturer at the Institute of Diseases of the Chest, has been appointed to the readership in clinical respiratory physiology tenable at that Institute.

BIRMINGHAM

Appointments.—Dr. B. D. Bower, senior lecturer, Department of Paediatrics and Child Health (first assistant to the Chair of Paediatrics and Child Health, from 1 January 1965); Dr. G. W. Chance (lecturer, Department of Paediatrics and Child Health, from 1 January 1965); Dr. J. W. Dale (senior research fellow, Department of Experimental Pathology, from a date to be arranged); Dr. D. Tarin (M. C. Smith lecturer in pathology (cancer research), from 14 February 1965); Dr. A. W. Zbrozyna (lecturer, Department of Physiology, from 1 January 1965).

NEWCASTLE UPON TYNE

DIPLOMA IN PSYCHOLOGICAL MEDICINE.—H. G. Edgell, Mercia D. M. Goodall.
Appointments.—Dr. C. T. G. Flear (senior lecturer in clinical biochemistry, from 1 December 1964); Dr. H. Richardson (lecturer in microbiology, from 1 December 1964); Dr. D. C. Turk (senior lecturer, Department of Microbiology, from 1 January 1965).

BRISTOL

M.D.—D. R. Ferguson, H. Maxwell.
PH.D.—*In the Faculty of Medicine*: R. J. Ancill, D. B. Stephens, M. R. Wilson.
Appointments.—Dr. A. R. Daniel (demonstrator in pharmacology, from 1 December 1964); Dr. J. Williams (lecturer (grade II) in biochemistry, from 1 October 1965).

ROYAL COLLEGE OF PHYSICIANS OF LONDON

At a quarterly comitia of the College held on 28 January Sir Rowan Boland and Dr. E. R. Cullinan were reappointed College representatives on the Metropolitan Regional Medical Recruitment Committee for 1965-6. Sir Arthur Thomson was appointed as College representative on the Court of Governors of the University of Birmingham, and Dr. R. D. Teare as College representative on the Accident Services Review Committee. Dr. A. M. Cooke was appointed as external examiner in general medicine for the Faculty of Radiologists. Dr. G. F. Adams was appointed F. E. Williams Lecturer for 1965.

Licences

Licences to practise were conferred upon the following 125 candidates:

M. Adiseshiah, R. Anandaraman, Barbara T. Anderson, Elizabeth J. Anderson, I. W. Anderson-Paterson, M. B. Barnett, C. D. Baumber, A. E. Bavaki, P. Beck, S. W. Beeston, Jennifer A. Blyth, Elaine Bowl, Jennifer A. Chown, Malcolm Clarke, Elizabeth A. F. Clements, J. G. Cochrane, Patricia A. Connor, Rosemary A. Croome, P. J. R. Cuthbertson, P. D. Davies, J. P. P. Donnelly, T. G. Edwards, J. A. Elias, A. R. Evans, M. J. Flynn, Jean M. Foot, D. N. Foster, C. G. C. Gaches, P. Garcia-Webb-Sharp, Margaret E. Gill, Margaret H. Gladden, R. J. Groves, Elizabeth A. Hargreave, Elizabeth A. Harrison, A. J. Hazzard, B. H. Hicks, C. W. Howell, M. J. Hoyle, A. S. Hudson, Dorothy Hurlow, Sheelah M. R. Irvine, J. M. I. Iveson, C. M. B. Jarman, T. M. Jenkinson, Sheila M. Johnston, N. Jones, Sybil A. M. Jones, H. J. Kersley, Maria J. Kuczynska, Christina J. S. Lewis, Rosemary S. Lever, D. Lewis, M. F. Lewis, H. W. C. Loose, Erica A. Lucas, W. K. T. McMath, P. G. C. Mahoney, Vivienne H. Manheim, A. W. J. Medhurst, A. I. Miles, Janet M. Morgan, M. C. W. Morgan, N. D. Mountfield, A. H. Mowbray, H. Munitz, P. F. Naish, Charmian R. Newton, Janet D. Nicholls, D. J. O'Gorman, M. W. J. Older, Chong-jin Oon, Kathleen J. Packer, M. R. J. C. Padgham, Christine A. Parr, Janet A. Passmore, D. L. H. Patterson, Jennifer P. Pearse, Puschalata V. Pindharkar, Margaret G. Pillow, Lucinda J. H. Prichard, M. D. Ridding, T. J. H. Roberts, J. C. Robertson, A. A. Robinson, Andrea R. Rosefield, Alison Ross, Patricia V. Rountree, P. J. Rowe, Omotunde Aba-Segua Sagoe, Carole M.

Sharp, P. Sheridan, A. Y. Sidky, P. C. Smith, Hilda A. D. Stanger, F. G. Stephens, A. Stevens, R. W. Strong, R. A. Sturge, S. A. Sughayyar, I. A. Sutherland, P. S. Talbot, Susan H. Terry, Anne S. M. Thomas, J. R. L. Thomas, M. G. P. D. Thomas, Josephine C. R. Tompkins, R. P. D. Toone, C. A. Tourle, Judith A. Trowell, Françoise H. M. Tsa Kok, Patti Van Asch, R. M. Veall, M. M. Walker, M. Walter, D. A. Warrell, C. C. Watson, Dorothy M. Weighton, G. H. Whitehouse, Elizabeth Wilkinson, C. B. Williams, Valerie S. Williams, Judith A. Wilson, Dawn G. G. Woodruff, Christina M. Wotherspoon, Rowena C. Yates.

DIPLOMA IN LARYNGOLOGY AND OTOTOLOGY.—C. Sivaraman, P. K. Basu.

DIPLOMA IN CHILD HEALTH.—E. R. Seiler.
DIPLOMA IN INDUSTRIAL HEALTH.—S. Bhar, J. L. J. de Bary, J. de Martino, A. Depares, L. S. Djerassi, G. S. Dymond, W. R. O. Eginton, I. C. Fraser, E. R. Gunn, E. W. Jones, M. Khogali, K. Lee, G. Lorrman, J. J. McMullan, S. Modi, K. J. Montasser, J. W. B. Palmer, A. H. Paul, J. W. Prout, A. M. M. N. Quazi, D. E. Worsley, A. M. Zaghoul.

ROYAL COLLEGE OF PHYSICIANS AND SURGEONS OF GLASGOW

Admissions (4 January 1965): Members *qua* Physician: M. Alam, P. Nilakanda-Pilla Bhaskaran, A. G. Billoo, J. D. Briggs, G. L. Chalmers, J. C. Ferguson, C. D. Forbes, B. H. Gibb, R. G. Gibson, M. A. Khaleque, M. I. A. Khan, T. Kurian, Chung-Nin Loh, A. M. Larwill, K. G. Lowe, B. K. Mandal, A. S. McNeish, V. P. Nagpal, M. Naseemuddin, S. K. Pahari, P. Prasad, M. Rajasekharappa, Jean C. Rodger, J. Ronald, D. N. Ropper, N. P. Saheta, M. L. Sharma, A. M. Shenkin, S. Tin, T. J. Singh, J. Smith, K. Thirunavukkarasu, J. Thomson, R. J. Weir.

ROYAL COLLEGE OF PHYSICIANS OF IRELAND

M.R.C.P.I.—F. E. A. Lesi, N. O. Azinge, G. H. B. Baker, J. H. Connolly, J. J. Fennelly, M. L. Ghosh, J. E. Gibbon, P. B. Halmos, A. K. Irvine, C. McCarthy, S. F. Szanto, F. J. Timoney.

Admissions to the Licence in Medicine and Midwifery, having passed the final examination in medicine, surgery, and midwifery of the Conjoint Board:

T. I. C. Davison-Aitkens, J. T. H. de Villiers, H. K. Gorania, T. A. T. Gyamfi, E. T. Jarvis, E. K. Mahomed, M. I. Moola, A. M. McDonagh, J. M. T. McEniff, S. M. Naqu, P. M. O'Daly, P. Y. Odunsi, M. P. O'Neill, L. A. K. Quarcoo, P. Raftery, S. S. Singh, A. Soorian.

ROYAL COLLEGE OF SURGEONS IN IRELAND

The following are Postgraduate Conjoint results for the Autumn/Winter Term 1964:

DIPLOMA IN PSYCHOLOGICAL MEDICINE.—P. J. Browne, J. M. Owens, J. T. Quinn.
DIPLOMA IN ANAESTHETICS.—H. Bhunjun, P. W. A. Keane, R. F. A. Lynas, Sheila M. McNamara, S. A. Rance.
DIPLOMA IN CHILD HEALTH.—Lata Bagga, J. J. V. Caraher, H. B. Cole, A. P. G. C. de Souza, G. E. C. Ducasse, Helen C. R. Kilgallen, P. Koo Hok-Chia, M. F. Lowry, S. I. Musa, F. J. O'Donoghue, M. Sivanathan, A. S. M. Taslimuddin.

The following are Postgraduate College results for the Autumn/Winter Term 1964:

FELLOWSHIP OF THE FACULTY OF ANAESTHETISTS.—J. Cooper, T. I. Ezi-Ashi, D. M. Keane, R. S. Neill.
FINAL FELLOWSHIP IN SURGERY.—J. J. Corkery, C. L. Huang, G. P. Lyons, J. B. Meade, J. F. O'Grady, J. P. B. O'Sullivan.

All communications with regard to editorial business should be addressed to THE EDITOR, BRITISH MEDICAL JOURNAL, B.M.A. HOUSE, TAVISTOCK SQUARE, LONDON W.C.1. TELEPHONE: EUSTON 4499. TELEGRAMS: *Aitiology*, London W.C.1. ORIGINAL ARTICLES AND LETTERS forwarded for publication are understood to be offered to the *British Medical Journal* alone unless the contrary be stated.

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